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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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MARK G. BOCCHETTI
EASTMAN KODAK COMPANY
343 STATE STREET
ROCHESTER, NY 14650-2201

EXAMINER

LAMB, TWYLER MARIE

ART UNIT	PAPER NUMBER
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2622

DATE MAILED: 04/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/803,166	Applicant(s) ROZTOCIL ET AL.	
	Examiner Twyler M. Lamb	Art Unit 2622	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 January 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-54 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-54 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments filed 1/6/05 have been fully considered but they are not persuasive.

Applicant argues Suzuki et al. and Mackay fail to disclose or suggest a page object representing an ordered media attribute, a first user input device for selectively associating visual representations of document and page objects, and a second user input device for: creating page objects which is operative to allow selection of ordered media attributes, setting values of the ordered media attributes and selection of one or more pages to apply to the ordered media attributes.

Suzuki discloses a Job Program mode which is displayed on a touch screen 62 and the jobs being programmed in various levels (See col 6, lines 9-45). The touch screen serves as the input device and shows the selections being in ordered media attributes.

Applicant also argues Suzuki et al. and Mackay fail to disclose or suggest a visual representation of ordered media pages to be inserted in a document on a display according ordered media attributes.

Suzuki discloses where the Job Scorecard is displayed on display 152 (See col 6, lines 9-45).

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-3, 15 and 35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suzuki et al. (Suzuki) (US 6,213,652) in view of Mackay (US 5,718,520).

As per claims 1 (interface implemented in a computer), 15 (interface implement in a computer), and 35 (method), Suzuki discloses an interface, implement in a computer, for representing and controlling a production printing workflow as a user equipment issues a job for a plurality of documents to a printing system(see abstract), an interface comprising: a display is taught by Suzuki as the technique of terminal 11 is a user device and is connected to the job scheduling 12 through a network(see column 14, lines 55-56 and Fig. 1); a first document object representing a document, said document further comprising content and formatting, said formatting defining at least one page in document, first document object being associated with a first visual representation on display is taught by Suzuki as the technique of a collation control unit 15a refers to job information and document information of the jobs stored in the printer queue 22 of the queue management section 17(see column 16, lines 27-29). The job scheduling devices carries out the pausing of documents included in the job, the modification of attributes, addressing of document receiving failures, and search of a

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document whose format is to be converted, thereby making it possible to efficiently printing the plurality of documents(see abstract) and the job execution section 104 is made up of a conversion processing section for converting a print format, and output device which outputs a document on a printer in compliance with a print format. The conversion section 115-1 converts a print format A to a print format B...to the print format D(see column 36, lines 31-39); is taught by Suzuki as the technique of the terminal equipment comprising attribute information by adding means for adding information which specifies a job output method to a job request as attribute information of the job(see column 7, lines 50-53) and Correct All Documents Using The Same Attribute Value S4807 and Correct Each Document Using Specified Attribute Value S4808(see Fig. 51) and JOB ATTRIBUTE 281, DOC1 ATTRIBUTE282-1,DOCn 282-n(see Fig.30a) ; a first user input device for selectively associating at least two of first, second and third visual representations is taught by Suzuki as the technique of the job control element section 310 is a processing section which executes command processing in response to an input command(see column 48, lines 3-5).

Suzuki, however, do not disclose the limitation of a page object representing a page attribute of one of at least one page, which being associated with a third visual representation on display and capable of being associated with first document object, a second user input device for creating page object, which operative to allow selection of page attribute, setting of a value of page attribute of one or more of at least one page in

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document to apply page attribute to wherein upon application, one or more of page objects are created and associated with each of one or more of at least one page and corresponding document object, wherein association of first, second and third visual representation results in association of respective objects and further wherein applied page attribute is visually represented on a visual representation of one or more of at least one page.

Mackay discloses the limitation of a page object representing a page attribute of one of at least one page, which being associated with a third visual representation on display and capable of being associated with first document object, a second user input device for creating page object, which operative to allow selection of page attribute, setting of a value of page attribute of one or more of at least one page in document to apply page attribute to wherein upon application, one or more of page objects are created and associated with each of one or more of at least one page and corresponding document object, wherein association of first, second and third visual representation results in association of respective objects and further wherein applied page attribute is visually represented on a visual representation of one or more of at least one page as the technique of Fig. 6, jobs are programmed in a job Program Mode in which there is displayed on touch screen 62 a Job Ticket 150 and a Job Scorecard 152 for a job being programmed.. touch screen 62(see column 6, lines 7-22) and for automatically modifying a print job ticket having a plurality of page tickets is provided. Each page ticket is programmed with one or more print job attributes and

each print job attribute is associated with one or more print job characteristics. A set of page tickets is selected from the page ticket(s) determined with the processor and, for at least a portion of the set of pages tickets, one or more print job characteristic first values are changed to print job characteristic second values (see abstract) and a user interface having a display screen for displaying a list including each number associated with each page ticket determined with processor(see column 12, lines 43-45).

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include the limitation of a page object representing a page attribute of one of at least one page, which being associated with a third visual representation on display and capable of being associated with first document object, a second user input device for creating page object, which operative to allow selection of page attribute, setting of a value of page attribute of one or more of at least one page in document to apply page attribute to wherein upon application, one or more of page objects are created and associated with each of one or more of at least one page and corresponding document object, wherein association of first, second and third visual representation results in association of respective objects and further wherein applied page attribute is visually represented on a visual representation of one or more of at least one page by Mackay's page(s) object into that of Suzuki's document and document ticket object invention. By doing so, the system would enhance by providing better editing tools in printing workflow environment to end users.

As per claim 2, Suzuki discloses the invention substantially as claimed. Suzuki, however, does not disclose the limitation of wherein association of page object with one of at least one page in document in first document object is operative to cause page attributes to apply to one of at least one page.

Mackay discloses the limitation of wherein association of page object with one of at least one page in document in first document object is operative to cause page attributes to apply to one of at least one page as the technique of in a printing system with a printing engine for producing printing with a print job having a programmed job ticket, the print job including a document being represented by image data, the job ticket including a plurality of page tickets arranged in a numbered sequential order, each page ticket being associated with a set of printing instructions, the printing instruction including print job attributes with each print job attribute being associated with one or more print job characteristic (see column 10, lines 51-59) .

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include the limitation of wherein association of page object with one of at least one page in document in first document object is operative to cause page attributes to apply to one of at least one page by Mackay into that of Suzuki's invention. By doing so, the system would enhance by providing an improvement for modifying one or more attribute values of print job ticket.

As per claims 3, Suzuki discloses the invention substantially as claimed. Suzuki discloses a first user input device as the technique of the job control element section

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310 is a processing section which executes command processing in response to an input command(see column 48, lines 3-5). Suzuki, however, does not disclose the limitation of second user input device comprising a menu and coupled with first user input device.

Mackay discloses the second input device as jobs are programmed in a job Program Mode in which there is displayed on touch screen 62 a Job Ticket 150 and a Job Scorecard 152 for a job being programmed...touch screen 62(see column 6, lines 7-22) comprises an appropriate pull down menu 228(see column 9 line 5).

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to coupled the second user input device comprising a menu by Mackay into that of Suzuki's first user input device. By doing so, the system would enhance by providing better comprehensive tools to end users.

1. Claims 4-5, 16 and 36 are rejected under 35 U.S.C. 103 as being unpatentable over Suzuki et al. (Suzuki) (US 6,213,652) in view of Mackay (US 5,718,520) and further in view of Quinion (US 5,978,559).

As per claims 4, 16 and 36, Suzuki-Mackay disclose the invention substantially as claimed. Suzuki-Mackay, however, do not disclose the limitation of second user input device comprises a dialog box represented on display and coupled to the first input device.

Quinion discloses a dialog box represented on the display as the technique of client UI interface dialog software, print job selection may be display on the screen 17 of the UI 16(see column 6, lines 64-65).

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include a dialog box by Quinion into that of Mackay's second input device then further into that of Suzuki's first input device. By doing so, the system would enhance by allowing user apprised of which printing selections are available for a print job task.

As per claim 5, Suzuki-Mackay disclose the invention substantially as claimed. Suzuki-Mackay, however, do not disclose the limitation of second user input device further operative to allow selecting by drag and drop third visual representation on a fourth visual representation of one or more of at least one page.

Quinion discloses a device which allow selecting by drag and drop as the technique of XNS system, drag and drop functionality is employed to move one or more jobs from an open electronic file to a printer icon(see column 11 lines 11-13).

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include drag and drop functionality by Quinion into that of Mackay's Page(s) object includes second input device then further into that of Suzuki's first input device. By doing so, the system would enhance by allowing user to drag from one object and drop its at any desired location for printing job task.

2. Claims 6-14, 17-34, and 37-54 are rejected under 35 U.S.C. 103 as being unpatentable over Suzuki et al. (Suzuki) (US 6,213,652) in view of Mackay (US 5,718,520) and further in view of Sklut et al. (Sklut) (US 5,760,775).

As per claims 6-14, 18-34 and 38-54 Suzuki-Mackay discloses the invention substantially as claimed. Suzuki-Mackay, however, do not discloses page attributes being selected from the group media type and media characteristics (which would include tab separator page attribute, tab cut, tab label and media size, etc).

Sklut discloses page attributes being selected from the group media type and media characteristics (which would include tab separator page attribute, tab cut, tab label and media size, etc.) as the technique of the scanner 18 which includes the image processing section 22, is coupled to an annotate/merge module 66(see column 10, lines 62-65).

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include page attributes being selected from the group media type and media characteristics (which would include tab separator page attribute, tab cut, tab label and media size, etc.) by Sklut's annotate/merge module into that of Mackay's character attributes and then further into that of Suzuki-Mackay combined invention. By doing so, the system would enhance by providing better selection of attribute characteristics to end users.

As per claims 17 and 37, Suzuki-Mackay disclose the invention substantially as claimed. Suzuki-Mackay, however, do not disclose the limitation of wherein said ready for printer format comprises a Portable Document Format.

Sklut discloses the limitation of printer format is a format selected from the group consisting of Portable Document Format, postScript and Printer Control Language as the technique of page description language such as PostScript PostScript Language Reference Manual (see column 11 line 64 to column 12 line 10) in metaphorical template elements of printing process.

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to include the limitation wherein said ready for printer format comprises a Portable Document Format by Sklut's postScript Language into that of Suzuki-Mackay combined invention. By doing so, the system would enhance by providing more variety printer formats to end user in order of controlling printing task.

Conclusion


3. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Twyler M. Lamb whose telephone number is 571-272-7406. The examiner can normally be reached on M-Thurs 6:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward L. Coles can be reached on 571-272-7402. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Twyler M. Lamb
Primary Examiner
Art Unit 2622